

EcoTrust Energy PFC – 660V POWER FACTOR CORRECTION UNITS

EcoTrust Energy's Power Factor Correction Units are designed to provide an economical solution to improve lagging power factor. Lagging power factor problems are associated with a variety of inductive loads.

- Induction Motors
- Transformers
- Inductive Loading

The EcoTrust Energy 660V Power Factor Correction Units are UL approved for all 3-phase panels up to 480V (can be used on 208V, 240V and 480V panels and loads). The product is housed in a NEMA 3R enclosure for installations requiring weather proof housings. Each enclosure is pole mountable with conduit knockouts and a terminal block to simplify installation. By using 660V capacitors rather than typical 440V or 480V capacitors, application flexibility and life expectancy is significantly increased.



EcoTrust Energy PFC – 660V POWER FACTOR CORRECTION UNIT ORDERING INFORMATION

The EcoTrust Energy 660V Power Factor Correction Units are available in 11 different sizes.

PART NO.	MODEL	Std Panel Mount	VOLTAGE	Breaker Size - 3Φ	WEIGHT (LBS)
US40781	ET-PFC 10		660V	10A	14
US40782	ET-PFC 20		660V	10A	15
US40783	ET-PFC 30		660V	20A	18
US40784	ET-PFC 40	200A 3 Φ	660V	30A	20
US40785	ET-PFC 50		660V	40A	22
US40786	ET-PFC 60		660V	50A	24
US40787	ET-PFC 70	400A 3 Φ	660V	60A	27
US40788	ET-PFC 80		660V	70A	33
US40789	ET-PFC 90		660V	80A	36
US40790	ET-PFC 100		660V	90A	40
US40791	ET-PFC 110		660V	100A	45

Two units (model 40 & model 70) can be used as standard panel mount units to treat 200A and 400A 208/240/480V panels respectively. All 11 units are designed for use dedicated to inductive loads. To determine what unit is required for a particular load, measurements of KW and Power Factor are required

and this data can be put into the EcoTrust Energy Power Optimizer Software to determine the appropriate unit.

Electrical Specifications

- KVAR Range: (4 KVAR - 38 KVAR)
- Maximum Voltage 660v 3-Phase, 60Hz
- “Non PCB” Oil Filled Capacitors
- UL Listed

Enclosure Specifications

- NEMA 3R Rating
- Pole Mount
- Conduit Knockouts 3/4” & 1 1/4”

EcoTrust Energy PFC – 660V POWER FACTOR CORRECTION UNIT BENEFITS

Low power factors are one of the leading causes of electrical system inefficiencies. Proper application of EcoTrust Energy’s Power Factor Correction Units can solve a variety of electrical system problems by correcting lagging power factor.

- **Avoid Power Factor Penalties**
- **Improve System Capacity**
- **Improve Efficiency**
- **Minimize Line Losses**
- **Prevent Voltage Drops**
- **Decrease Infrastructure Costs**